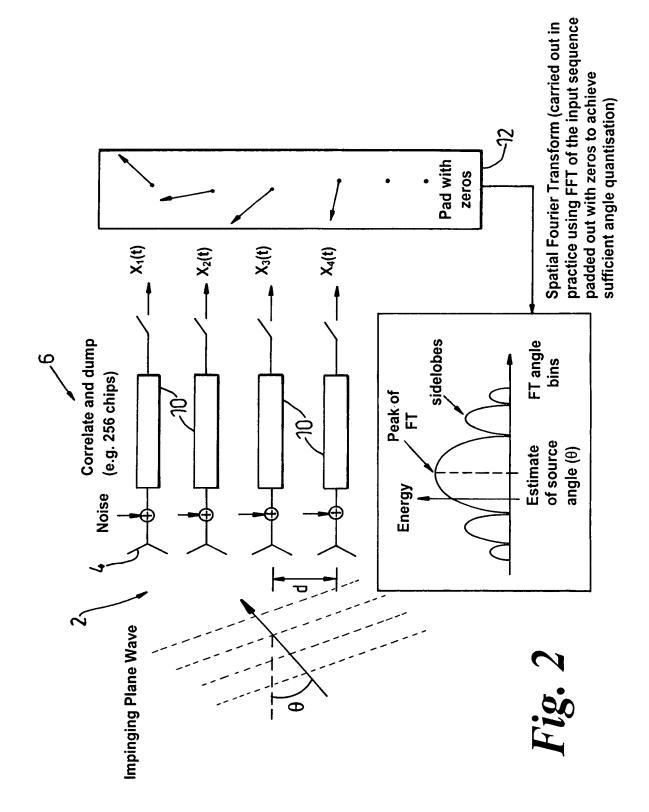


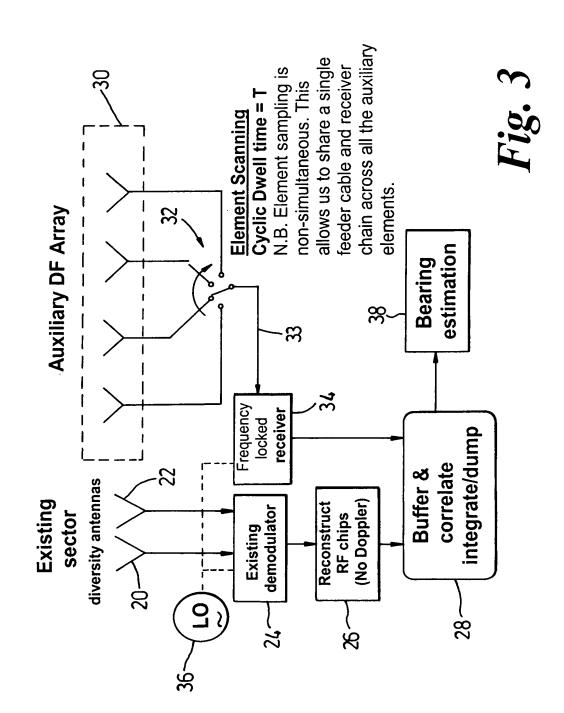
The number of output bins (Angles of Arrival) is selected on the basis of the required angle discrimination. Such discrimination and the sidelobe structure will be determined solely by the number and distribution of the input ports.

Fig. 1

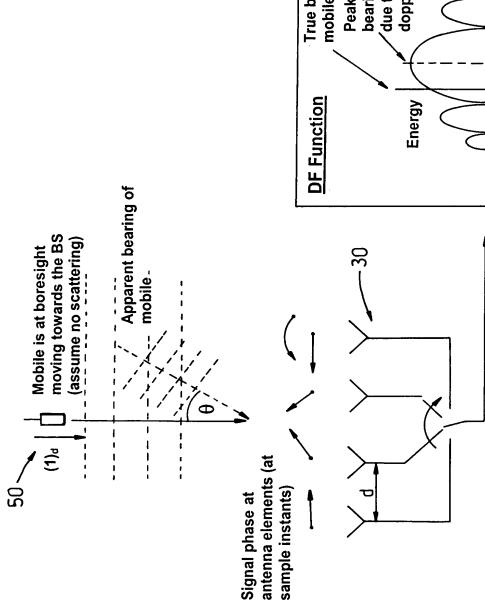












DF Function mobile mobile

Peak of FT (apparent bearing of mobile, due to mobile doppler)

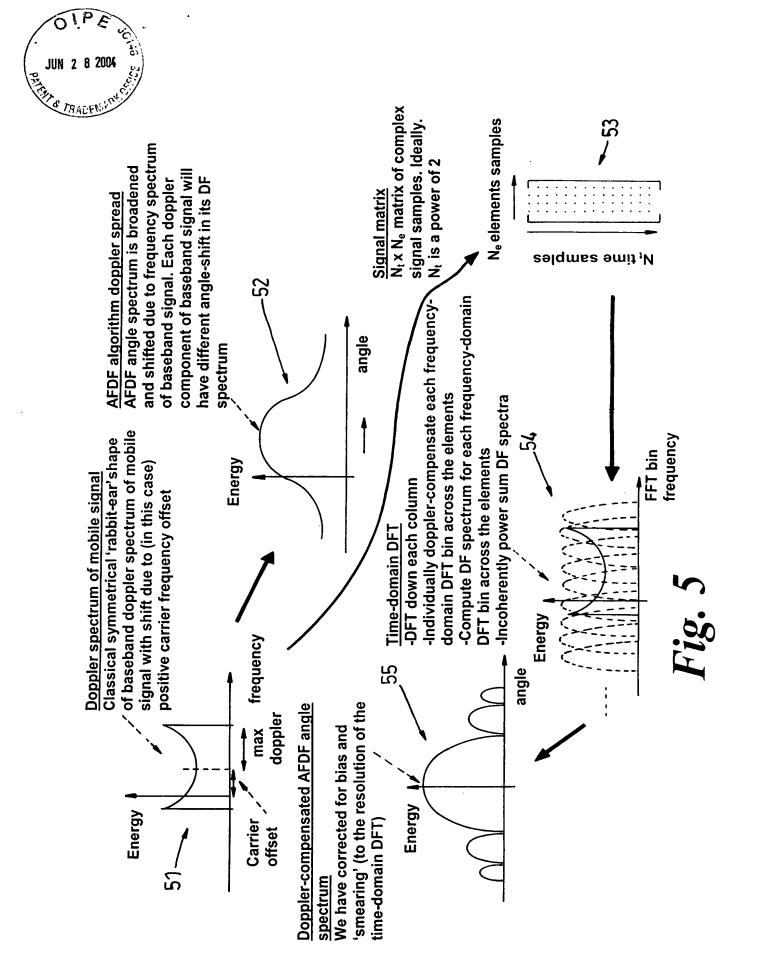
Estimate FT angle of source bins angle (θ)

Fig. 4

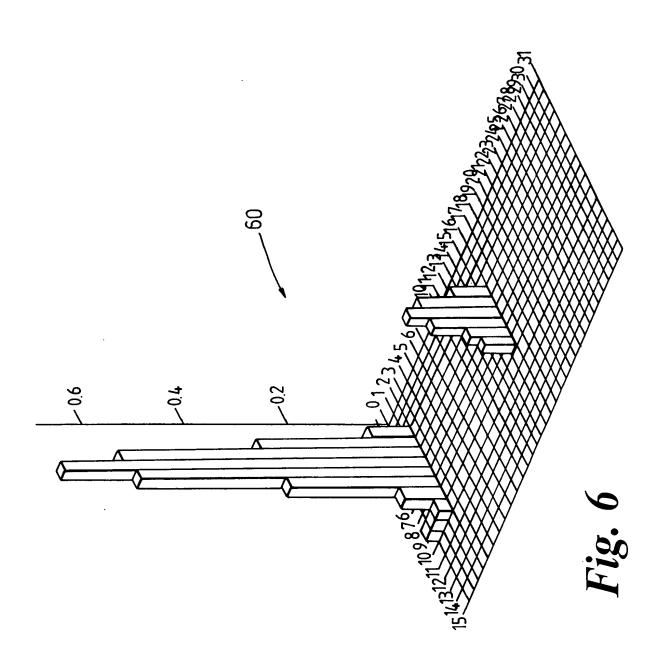
N.B. Element sampling is non-simultaneous. This allows us to share a single feeder cable

Element Scanning Cyclic Dwell time = T and receiver chain across all the auxiliary

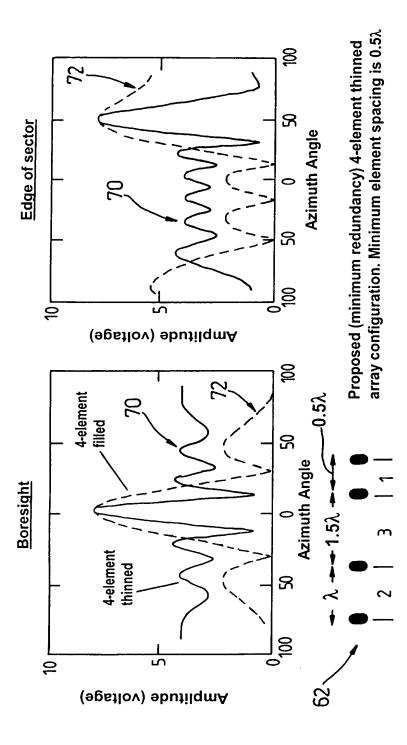
elements.









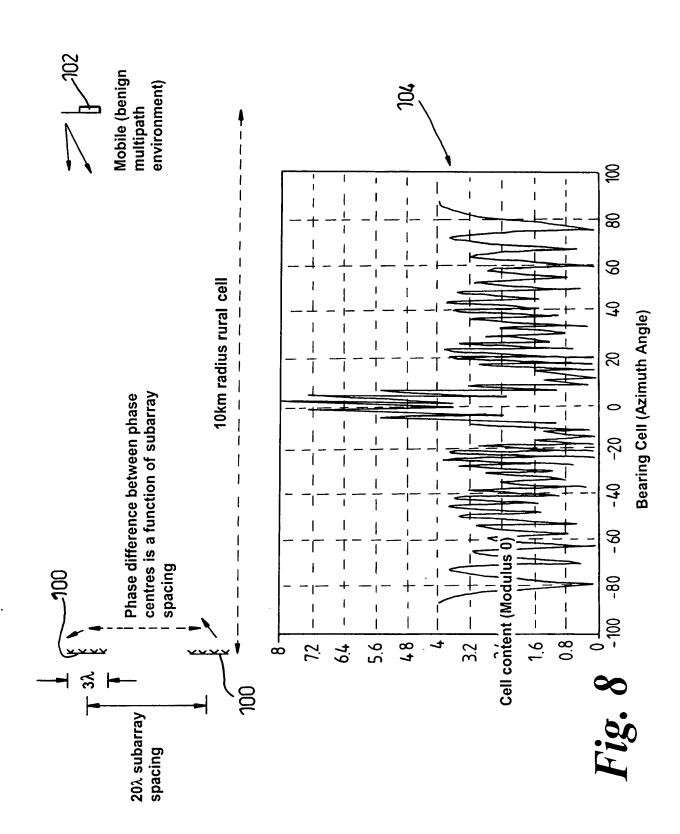


 The selected thinned array configuration biases elements towards the N.B. Narrower beamwidth than a 7-element filled array due to the 'endedge of the available aperture and achieves a -3dB beam width of 11° weighting').

 Peak sidelobes close to the -6dB target level are achieved even when the main beam is scanned towards the edge of the sector.

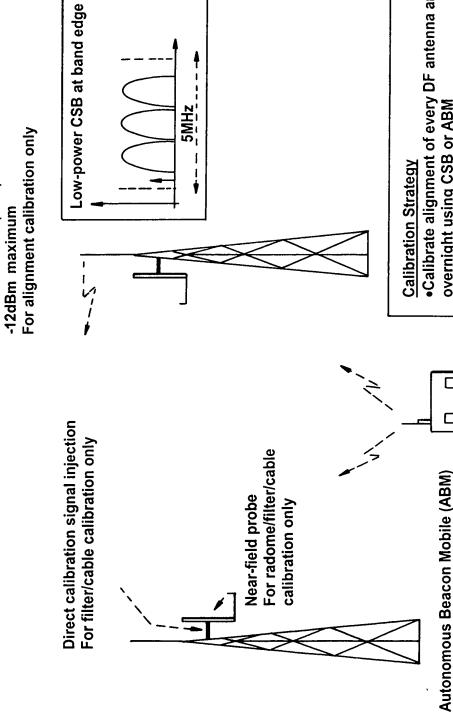
Fig. 7











direct injection or ABM during or just after E911 Calibrate alignment of every DF antenna array •Calibrate on-frequency phase errors due to radome/filters/cables using near-field probe overnight using CSB or ABM emergency call.

Mounted on prominent building/mast

+23dBm maximum

radome/filter/cable calibration For alignment calibration and



